

- There should be a moratorium on spearfishing, like take every other year off. The reefs are hurting, lots of people don't know what they are doing and are taking anything, including undersized animals.
- Aquaculture – what kind of regulations will there be when it comes to aquaculture operations? Expansion of species under management of sanctuary to include: monk seals, sea turtles; not just health of humpback whales. What is the vitality of other species?
- I would like to see the sanctuary expanded to the east side of Hawaii Island because whale numbers are increasing to that side. The boundary should ideally be expanded to the entire east side, including Hilo and south. Punalu'u should be included for protection of nesting hawksbill sea turtles.
- Area should be expanded to Hilo area. Should expand species to include monk seals and turtles.
- Spearfishing is a major problem. It damages corals and turtles get entangled in line. Need outreach to fishermen. Need to educate fishermen, especially the younger population. Fish and coral abuse for too long cannot be sustained. Need more enforcement to protect the environment and possible closure to give environment a break from pressure.
- Need to expand outreach and education around the state. Should partner with local organizations and target youth because kids are the pathway to get to adults. Need to expand education to other geographic areas (e.g., Hilo) and elsewhere in the state. Need to share expertise. Outreach component could be expanded outside the current sanctuary boundary. Need to take advantage of local partners and expertise. Should expand sanctuary to east Hawaii Island because we had a lot of whales there this season.
- Should re-visit the re-setting of the boundaries to the original boundary that was based on the scientific boundary of where whales are found, the 100 fathom isobaths. Should expand the boundaries based on science. Sanctuary should include all other marine species and what they feed on. Need to look at the bathymetric maps. Need to look at all islands for expansion. There were 1,000-1500 whales in the North Pacific earlier, now there are 20,000 whales. Should move to a marine sanctuary (e.g., do water quality). Do a plan for education centers on each island not just offices to increase accessibility to the community for education. SAC meetings should be hosted on each island at least once every year to encourage community participation statewide.
- Acoustic impacts: the Sanctuary should take a more activist role and be more pro-active. Sanctuary should educate the community on the impact of noise by marine vessels and impact of military activities. Dr. Pack's information/talks should be shared more widely.
- Commercial fishing restrictions on fishing in the Sanctuary should be controlled more strictly. Need to increase commercial fishing regulations to avoid larger sizes by setting size

limitations. If you're going to have a Sanctuary in place you should attack the issue from all angles.

- Traditionally Hawaiians had a fishing program of certain times on and off, is that kapu system viable for the sanctuary? E.g., On the East coast of the US there is a system for lobsters. Was the kapu system good? Could the sanctuary implement it?
- Hawaiians had eyes on the situation and could readily react; consider active management in sanctuary
- Should look at traditional practices for management (e.g., species management). Look into traditional management for specific species. Look into oli for information on species movement. Traditional knowledge is an untapped resource for active management. Should partner with Hawaiian language schools and find students interested in doing cultural projects. There is a huge, huge wealth of information in the newspapers (Hawaiian language). The kupuna knew it would be lost, so they learned to read and write to document the knowledge.
- Should use modern technology to reach more students, especially because of the lack of visitor centers. Sanctuary staff should use Olelo and other stations to let the community know what they are doing. Should use web and technology to communicate with students on a regular basis. E.g., Education on vessel noise and its impacts on species. Patty Miller used to run a KidScience program, should use her as a resource to start up a similar program in the sanctuary to get students to participate and communicate sanctuary activities to the constituents. Need more out of the box thinking about how you do education.
- I know the Navy is expanding their area and it will likely go into Sanctuary waters. The Sanctuary needs to consider how that will affect the sanctuary. Concerned about SAC member Terry O'Halloran who was with the super ferry. He should be encouraged to attend as a member of the public, but not as a SAC member.
- Turtles and seals – there are hundreds of turtles at 4 mile in Hilo (Keaukaha) and I've seen people interacting with turtles and we need more education to tell people not to disturb the animals.
- Should create a webpage for amateur observers to identify different whales by distinguishing features.
- Should have a website to report abuse or injury to turtles
- There should be a 3-digit emergency number to call that is easy to remember when at the beach to report something, e.g., "SEA" like a 911 for the ocean.
- Cruise ships are increasing as is the dumping by cruise ships. There raw sewage smells. We need to get some effective laws to get control of illegal dumping from cruise ships

- The idea of species expansion is a cool idea, to go ecosystem-focused. WE need more outreach, I've heard cases of turtles being harassed. There should be multiple levels/multiples species looked at maybe not all under the same oho (head) but we should work together to protect them all.
- Potential competition – monk seal critical habitat issue and Kahea.
- Would it have been more beneficial to come to the public with potential rule changes now for comment?
- Sanctuary should be expanded to Hilo side of the island. People on the Hilo side would be more involved if the sanctuary was here.
- How will the listing status review of the humpback whale affect the sanctuary?
- Other species of whales and dolphins should be added to the sanctuary – such as false killer whale and pygmy killer whale.
- Sharks need to be included.
- Connecting what happens on the land to what happens on the water will help strengthen and protect all life in the environment – Ecosystem-based management.
- Why is NOAA and the US government using tax dollars to clean rubbish (marine debris) from other countries?
- Don't trust DLNR and NOAA. Scientific information given as examples is not always from Hawaii (example, fish counts from the Bahamas). Make sure the Hawaiian Islands are studied in the future.
- Monk seals are not from the Hawaiian Islands.
- Don't like the work protection – implies no use – should use conserve – implies use not abuse. Everyone can get along when conserving resources for the benefit of all.
- Best thing you can do for an endangered species is don't study it. Leave it alone. Minimize studies so you don't bother the animals.
- People should be able to dive for whatever they want to catch – use areas.
- When talking about resource use you can't make the assumption that people will always do it right. A sanctuary approach with rules and regulations can be helpful.
- Enforcement
- How do you police conservation efforts? (utilizing resources)
- In an area that I dive in I noticed the fish population decline dramatically in the last 20 years.
- Algae are increasing because the fish that keep them in check are being over-fished by spear fishing. I've observed this and heard it from scientists in the Hilo community. Need to find a way to educate local fishermen to rotate fishing sites so don't over-use.
- Enforcement – find ways to police ourselves through education rather than having law enforcement involved. Sanctuary can help with education.
- We should be able to take what we need from the ocean and not more. (Local people need to take more active role)
- Shouldn't be just local – fishermen and ocean users in general.
- Regulations outside Hawaii are much stricter and easier to enforce.

- Don't think it is locals only using the resources. How are you going to educate them (including people from other countries)? How can the sanctuary address this through education?
- Longlines are a threat. Should the sanctuary consider getting involved?
- What are things we need to do now (educate children and adults about management actions) to ensure there are resources for the 7<sup>th</sup> generation? Need long-term vision.
- NOAA should study humpback-predator interactions now to determine the baseline – is the balance being upset? Should also do an ecosystem assessment now – see what happens later for example if the sanctuary increases protection for species and boundaries.
- If dive and fish limit what we take and rotate sites for spear fishing.
- Aquaculture sites are somehow going to affect whales and the environment. NOAA needs to talk to the industry to come up with solution for the future.
- Launch island-wide effort to talk story with farmers and fishermen to discuss the connection between the land and the ocean and how one may influence the other.
- Acoustic impacts and sonar: if humpback whales are removed from Endangered Species Act protection – what will that mean?
- How could energy development affect humpback whales?
- Should have a year of celebration – gatherings, music, etc...to celebrate the relationship between the ocean and the land.

#### Parking Lot Issues

- Will the sanctuary go island-wide to the 100 fathom isobaths (expand the boundary)?
- What rules does the sanctuary have presently?
- National Marine Fisheries Service listing status review of the humpback whale – how will it affect the sanctuary?
- What about the Superferry as a threat to the sanctuary (and other high-speed ferries)?
- Is there overlap between the sanctuary scoping meetings and the Navy Environmental Impact Statement?
- Is NOAA doing studies to protect humpback whales from their natural predators? Example: killer whales and great white sharks following them here. If not, they should study.
- The DLNR had a meeting tonight and we had to pick.